

AMENDMENTS TO THE CLAIMS

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1–3 (Canceled)

Claim 4 (Previously Presented) A coated article comprising:

- A) a substrate;
- B) one or more dielectric layers sputter deposited over the substrate comprising:
 - i) first dielectric film comprising at least one film of: zinc oxide, silicon oxide, tin oxide, silicon nitride, silicon oxynitrate, or an oxide of an alloy of zinc and tin having zinc in a weight percent range of equal to or greater than 10 and equal to or less than 90 and tin in the weight percent range of equal to or less than 90 and equal to or greater than 10, and
 - ii) a second dielectric film deposited over the first dielectric film, the second dielectric film comprising at least: a zinc oxide, tin oxide film, wherein the zinc oxide, tin oxide film has tin in the weight percent range of greater than 0 and less than 10 and the majority of the balance zinc, and
- C) one or more infrared reflective layers deposited on at least one of the dielectric layers.

Claim 5 (Previously Presented) The coated article of claim 4 wherein the infrared reflective layer is silver and the second dielectric film is the zinc oxide, tin oxide film as an electrical enhancing film.

Claim 6 (Canceled)

Claim 7 (Previously Presented) The coated article of claim 4 wherein there is a first infrared reflective layer, and a first and a second dielectric layer, and further including:

a metal primer layer; ., the coated article is characterized by the first dielectric layer being over the substrate, the metal primer layer being over the first infrared reflective layer and the second dielectric layer being over the primer.

Claim 8 (Canceled)

Claim 9 (Previously Presented) The coated article of claim 7 wherein the primer layer is a first primer further comprising:

a second infrared reflective layer over the second dielectric layer;
a second metal primer layer over the second infrared reflective layer; and
a third dielectric layer over the second metal primer layer.

Claim 10 (Canceled)

Claim 11 (Previously Presented) The coated article of claim 9 and further comprising:

a protective layer as a last layer on the substrate.

Claim 12 (Canceled)

Claim 13 (Previously Presented) The coated article of claim 7 wherein the first dielectric film of the second dielectric layer has zinc in the weight percent range of equal to or greater than 60 and equal to or less than 90 and tin in the weight percent of equal to or greater than 10 and equal to or less than 40.

Claims 14 and 15 (Canceled)

Claim 16 (Currently Amended) The coated article of claim 9 wherein ~~the first dielectric film of the third dielectric layer~~ comprises a first dielectric film of has zinc in the weight percent range of equal to or greater than 60 and equal to or

less than 90 and tin in the weight percent range of equal to or greater than 10 and equal to or less than 40.

Claims 17-19 (Canceled)

Claim 20 (Previously Presented) The coated article of claim 7 wherein the second dielectric layer further includes a third dielectric film over the second dielectric film.

Claim 21 (Previously Presented) The coated article of claim 20 wherein the third dielectric film of the second dielectric layer is selected from zinc oxide film; zinc oxide, tin oxide film; and a film of an oxide of an alloy of zinc and tin.

Claims 22 and 23 (Canceled)

Claim 24 (Previously Presented) The coated article of claim 9 wherein the substrate is a glass sheet and the first dielectric film of the first dielectric layer is on the glass sheet and has a thickness in the range of 230 ± 40 Å; the second dielectric film of the first dielectric layer is on the first dielectric film of the first dielectric layer and has a thickness in the range of 80 ± 40 Å; the first infrared reflective metal layer is a first silver film deposited on the second dielectric film of the first dielectric layer and has a thickness in the range of 110 ± 30 Å, the first metal primer layer is a titanium containing film deposited on the first silver layer and has a thickness in the range of 17-26 Å; the first dielectric film of the second dielectric layer is deposited on the titanium containing film and has a thickness in the range of 80 ± 40 Å; the second dielectric film of the second dielectric layer is deposited on the first dielectric film of the second dielectric layer and has a thickness in the range of 740 ± 40 Å; the second infrared reflective metal layer is a second silver film deposited on the second dielectric film of the second dielectric layer and has a thickness in the range of 110 ± 38 Å; the second primer metal layer is a titanium containing film deposited on the second silver layer and having a thickness in the range of 18 - 31 Å; the first dielectric film of the third dielectric layer is deposited on the second titanium containing film and has a thickness in the

range of $80 \pm 40 \text{ \AA}$; the second dielectric film of the third dielectric layer is deposited on the first dielectric film of the third dielectric layer and has a thickness in the range of $120 \pm 40 \text{ \AA}$, and further comprising a protective layer of titanium containing film deposited on the third dielectric layer and has a thickness in the range of $29 \pm 3 \text{ \AA}$.

Claims 25-33 (Canceled)

Claim 34 (Previously Presented) The coated article of claim 4 wherein the coated article is a transparency.

Claim 35 (Original) The coated article of claim 34 wherein the coated article is an automotive transparency.

Claim 36 (Previously Presented) The coated article of claim 35 wherein the automobile transparency is an automotive windshield having a pair of glass sheets laminated together and one of the sheets is the substrate having the coating.

Claim 37 (Withdrawn) A method of making an automobile transparency comprising:

- applying a coating on a glass substrate having the following:
 - a first dielectric layer over a glass substrate;
 - a first infrared reflecting metal layer over the first dielectric film;
 - a first metal primer layer over the first reflective layer;
 - a second dielectric layer over the first metal primer layer;
 - a second infrared reflective layer over the second dielectric layer;
 - a second metal primer layer over the second infrared reflective layer;
 - a protective film overlying the first zinc stannate film of the third dielectric layer, wherein at least one of the dielectric layers includes a first dielectric film selected from the group consisting of zinc oxide, tin oxide and a first zinc stannate film and a second dielectric film including a second zinc

stannate film having a composition different than the first zinc stannate film and a composition of 10-90 weight percent zinc and 90-10 weight percent tin;
processing the coated substrate to provide a coated windshield blank wherein the processing step includes heating the coated substrate to its bending temperature and after heating the coating has reduced haze;
laminating the coated blank to another piece of glass to provide the automobile windshield.

Claims 38-58 (Canceled)

Claim 59 (Previously Presented) The coated article of claim 4 wherein there is one infrared reflective layer, one dielectric layer, and further comprising:

a metal primer layer;
a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin over the primer layer, the coated article is characterized by the dielectric layer being over the substrate, the infrared reflective layer being over the dielectric layer, the metal primer layer being over the infrared reflective layer, and the film of an oxide being over the metal primer layer.

Claim 60 (Currently Amended) The coated article of claim 4 wherein there are first and second infrared reflective layers, first, second -and ~~second~~third dielectric layers, and further comprising:

a first and second metal primer layers; and
a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin ~~over the primer layer~~, the coated article is characterized by the first dielectric layer being over the substrate, the first infrared reflective layer being over the first dielectric layer, the first metal primer layer being over the first infrared reflective layer, the film of the oxide being over the first metal primer layer, the second dielectric layer being over the film of the oxide~~first primer layer~~, the second silver layer being over the second dielectric layer, the second primer layer being over the second silver layer, and the third dielectric layer being over the second primer layer.

Claim 61 (Currently Amended) The coated article of claim 4 wherein there are first and second infrared reflective layers, first and second dielectric layers, and further comprising:

first and second metal primer layers; and

a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin ~~over the primer layer~~, the coated article is characterized by the first dielectric layer being over the substrate, the first infrared reflective layer being over the first dielectric layer, the first metal primer layer being over the first infrared reflective layer, the second dielectric layer being over the first primer layer, the second silver layer being over the second dielectric layer, the second primer layer being over the second silver layer, and the film of an oxide of an alloy of zinc and tin being over the second primer layer.

Claim 62 (Previously Presented) The coated article of claim 4 wherein there are first and second infrared reflective layers, first and second dielectric layers, and further comprising:

first and second metal primer layers; and

a film of an oxide of an alloy of zinc and tin having 10-90 weight percent zinc and 90-10 weight percent tin over the primer layer, the coated article is characterized by the first dielectric layer being over the substrate, the first infrared reflective layer being over the first dielectric layer, the first metal primer layer being over the first infrared reflective layer, the film of an oxide of an alloy of zinc and tin being over the first primer layer, the second silver layer being over the second dielectric layer, the second primer layer being over the second silver layer, and the second dielectric layer being over the second primer layer.